

ELECTROLAB

Your Quality, Our Assurance

Dissolution Tester


8 Station Dissolution Tester TRUST€ 08




14 Station Dissolution Tester TRUST€ 14




21 CFR
Part 11
Compliant




Limited System Access



Authority Checks




Device Checks



Accurate and Complete Copies of Records



Audit Trail



Metadata Storage



integrOS™
Data Integrity
Operating System



Infinity Test



Touch Screen



LAN



Fingerprint Authentication



Multi-Level Security



Print Report



Electronic Log Book

14
Station

Benefits

- Efficient tool for biowaiver, ANDA and SUPAC- MR where n=12
- Consistent results with one dissolution water bath rather than variations possible with two separate dissolution water baths
- Incubation of replenishment media under same conditions to the dissolution media

60+%
Savings

Compared to two 8 station Dissolution Systems, one 14 station Dissolution System saves:

- 67% bench space
- 64% electricity
- 63% water



Motorized Lift Mechanism

- Hands-free quiet operation
- Automatic stirrer height positioning for USP 1, 2, 5, 6 and intrinsic test methods



AutoDropSync™ (Optional)

- Simultaneous dropping of dosage in non-rotating media
- User defined test start (immediate or delayed) immediately after media temperature is attained
- AutoDropSync™ can accommodate dosages and sinkers up to 24 mm



Snap-Fit™ Shaft

- Unibody construction (crevice-free) of Snap-Fit™ shaft provides wobble free operation and accurate height adjustment
- Facilitates quick changeover between methods



Multi-stage Filtration

- 2 or 3 stage filtration ranging from 10 µ - 15 µ, 0.45 µ to 0.22 µ is possible
- Close proximity of filter manifold reduces variability caused by automation



Isolated Temperature Controller

- Isolated temperature controller for vibration-free and precise temperature control

QbD

Quality by Design

- International regulatory compliance (USP, Ph. Eur, JP, IP)
- Easy access to all physical parameters for cleaning and mechanical qualification
- Designed to minimize routine validation
- Corrosion free sturdy bath top plate
- All sample contact parts are made of inert materials
- Versatility allows adaptation to USP 1, 2, 5, 6 intrinsic and special height (45 mm) apparatus
- Transparent and amber colored vessels-capacity ranging from 100 ml to 4 L
- Sampling manifold dives the individual cannulas and vessel temperature probes to the appropriate sampling zone based on the method
- Wake up and sleep mode for the temperature controller saves time and conserves energy
- High performance ZDV (Zero-Dead-Volume) syringe pump for precise and accurate sampling
- 2 axis movement of sample collector arm enables piercing of precut septa for HPLC vials
- Enclosed sample collector prevents contamination and excess evaporation of samples



Rinsing

- Split-Rinse™: Programmable rinse volume purged to waste in multiple cycles to avoid carryover
- Loop-Back™: Circulate the rinse volume through the transfer tubings back to vessel to eliminate waste volume

18%
reduction in
variability

Dilution with Stirring

- Simultaneous purging and mixing of the aliquot and diluent for homogeneous sample preparation (Patented)
- Automated dilution of aliquot is possible by using replenishment media or mobile phase

4
types

Sample Collector Tray

Sample Collector Tray (ESC-12Dx)	
HPLC vials	PP vials
• 1.5 ml (24 x 12)	• 20 ml (16 x 12)
Combination tray (with dilution option)	
HPLC and PP vials	
• HPLC vials 1.5 ml (8 x 12) + Glass tubes 20 ml (8 x 12)	

D'light™ technology for visual indication of instrument status from anywhere in the laboratory

- Power on
- Needle diving up / down
- Communication with dissolution tester

Error due to :

- Absence of sample collector tray
- Absence of waste tray
- Sample collector hood ajar

Movement of arm to :

- Sample position
- Waste tray / home position

Record the dissolution process with **iDisso™**

Reduce frequent water bath maintenance by using **ClearView™** with deconex™

Access dissolution test information with **kloudbase™**

ANY Where
Time
Device

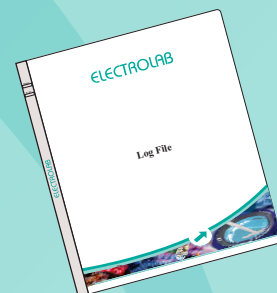
integrOS™

21 CFR
Part 31
Compliant

Feature	Lite	Standard	Pro
Security	✓	✓	✓
Electronic Instrument Log Book		✓	✓
kloudbase (for online viewing of result during the test, data storage etc)		✓	✓
Audit Trail			✓

Standard accessories :

- Laser marked and certified precision glass vessels, paddles and baskets
- Drawer organizer with cover for paddles and baskets



Log File
Includes IQ/OQ, Maintenance Log etc.

Specifications

Model	TRUST€ 08	TRUST€ 14
No. of stations	n = 8	n = 14
Speed range	20 RPM to 300 RPM	
Speed accuracy	± 0.5 RPM	
Temperature range	20°C to 40°C (extended range 10 to 40 and 20 to 55 optional)	
Temperature accuracy (at 37°C)	± 0.1°C	
Display	7" TFT touch screen display	
Protocol storage	1000	
Test report storage	10000	
Sample interval	1 min to 999 hrs, 59 min	
No. of syringes	Standard : 6, Optional : 8	Standard : 12, Optional : 14
Interface port	Ethernet, Embedded thermal printer, RS 232, RS 485	
Stirrer drive	High performance BLDC drive (maintenance-free)	
Vessel capacity	150 ml, 250 ml, 1 L, 2 L	
Water bath	One piece moulded clear	
Bath capacity	22 L	28 L
Temperature controller	Heater : 1 kW, SS 316 with thermal protection	
Electrical power	220/230 VAC, 50/60 Hz, 1.3 kW/6 Amp 110 VAC, 50/60 Hz, 1.3 kW/10 Amp	
Dimensions (L x W x H) :		
Basic	67 cm x 51 cm x 71 cm	115 cm x 51 cm x 71 cm
Offline Automation System	101 cm x 51 cm x 71 cm	156 cm x 51 cm x 71 cm
Weight :		
Basic	84 kg	126 kg
Offline Automation System	141 kg	212 kg

Our Products

- Complete range of Dissolution Testers • Dissolution Media Preparator • Friability Testers • Tablet Hardness Testers
- Electromagnetic Sieve Shakers • Tap Density Tester • Bulk Density Tester • Powder Flow Tester • Leak Testers • Peristaltic Pumps



The information contained in this document is believed to be correct but **ELECTROLAB** accepts no liability for any errors and reserves the right to alter specifications without notice March, 2019

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Service
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